Comp 3111 Use case Specification of Task 3

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Basic flow of grade static for teacher

User select option "teacher login" on the initial interface
{Enter username and password}
User enter username and password
{Invalid username and password}
Teacher interface is shown
User select option "grade static" on the teacher interface
Filter results based on Course, Exam and Students is show
Graphical representation of results, based on Bar chart, Pie chart and Line chart is show
Function buttons : Reset, Filter and Refresh is show
{Select activity}
while Teacher has an activity to perform **do**
    if "Filter" is been clicked **then**
        Read filter parameter
        {Invalid parameter}
        Change content according to the filter parameter
    end if
    if "Refresh" is been clicked **then**
        Refresh content
    end if
    if "Reset" is been clicked **then**
        Reset filter parameter
    end if
end while

Alternative flow of grade static for teacher

A1 : invalid username and password
At **{Invalid username and password}** if the entered username and password is invalid

 1: System informs that username and password is invalid
 2: The flow of events is resumed at **{Enter username and password}**

A2 : invalid filter parameter
At **{Invalid parameter}** if the entered entered parameter is invalid

 1: System informs that parameter is invalid
 2: The flow of events is resumed at **{Select activity}**

Basic flow of student management for manager

User select option "manager login" on the initial interface
{Enter username and password}
User enter username and password
{Incorrect username and password}
Manager interface is shown
User select option "Student management" on the manager interface
Student manager interface is shown
Filtered students based on Username, Name and Department is show
Form to add new students based on username, name, age, gender, department and password is show
Function buttons: Reset, Filter, Delete, Refresh, Add and Update is show
{Select activity}
while Manager has an activity to perform **do**
    if "Filter" is been clicked **then**
        Read filter parameter
        {Invalid filter parameter}
        Change content according to the filter parameter
    end if
    if "Delete" is been clicked **then**
        delete selected student locally
    end if
    if "Refresh" is been clicked **then**
        Refresh content
    end if
    if "Add" is been clicked **then**
        Read add parameter
        {Invalid add parameter}
        create student according to parameter locally
    end if
    if "Update" is been clicked **then**
        Update all local change to the system
    end if
    if "Reset" is been clicked **then**
        Reset filter parameter
    end if
end while

Alternative flow of student management for manager

A1 : invalid username and password
At **{Invalid username and password}** if the entered username and password is invalid

  1: System informs that username and password is invalid
  2: The flow of events is resumed at **{Enter username and password}**

A2 : invalid filter parameter
At **{Invalid filter parameter}** if the entered entered filter parameter is invalid

  1: System informs that filter parameter is invalid
  2: The flow of events is resumed at **{Select activity}**

A3 : invalid add parameter
At **{Invalid add parameter}** if the entered entered filter parameter is invalid

  1: System informs that add parameter is invalid
  2: The flow of events is resumed at **{Select activity}**

Basic flow of teacher management for manager

User select option "manager login" on the initial interface
{Enter username and password}
User enter username and password
{Incorrect username and password}
Manager interface is shown
User select option "teacher management" on the manager interface
teacher manager interface is shown
Filtered teacher based on Username, Name and Department is show
Form to add new teacher based on username, name, gender, age, position,
department and password is show
Function buttons: Reset, Filter, Delete, Refresh, Add and Update is show
{Select activity}
while Manager has an activity to perform **do**
    if "Filter" is been clicked **then**
        Read filter parameter
        {Invalid filter parameter}
        Change content according to the filter parameter
    end if
    if "Delete" is been clicked **then**
        delete selected teacher locally
    end if
    if "Refresh" is been clicked **then**
        Refresh content
    end if
    if "Add" is been clicked **then**
        Read add parameter
        {Invalid add parameter}
        create teacher according to parameter locally
    end if
    if "Update" is been clicked **then**
        Update all local change to the system
    end if
    if "Reset" is been clicked **then**
        Reset filter parameter
    end if
end while

Alternative flow of teacher management for manager

A1 : invalid username and password
At **{Invalid username and password}** if the entered username and password is invalid

  1: System informs that username and password is invalid
  2: The flow of events is resumed at **{Enter username and password}**

A2 : invalid filter parameter
At **{Invalid filter parameter}** if the entered entered filter parameter is invalid

  1: System informs that filter parameter is invalid
  2: The flow of events is resumed at **{Select activity}**

A3 : invalid add parameter
At **{Invalid add parameter}** if the entered entered filter parameter is invalid

  1: System informs that add parameter is invalid
  2: The flow of events is resumed at **{Select activity}**

Basic flow of course management for manager

User select option "manager login" on the initial interface
{Enter username and password}
User enter username and password
{Incorrect username and password}
Manager interface is shown
User select option "course management" on the manager interface
course manager interface is shown
Filtered course based on Course ID, Course Name and Department
Form to add new course based on Course ID, Course Name and Department is show
Function buttons: Reset, Filter, Delete, Refresh, Add and Update is show
{Select activity}
while Manager has an activity to perform **do**
    if "Filter" is been clicked **then**
        Read filter parameter
        {Invalid filter parameter}
        Change content according to the filter parameter
    end if
    if "Delete" is been clicked **then**
        delete selected course locally
    end if
    if "Refresh" is been clicked **then**
        Refresh content
    end if
    if "Add" is been clicked **then**
        Read add parameter
        {Invalid add parameter}
        create course according to parameter locally
    end if
    if "Update" is been clicked **then**
        Update all local change to the system
    end if
    if "Reset" is been clicked **then**
        Reset filter parameter
    end if
end while

Alternative flow of course management for manager

A1 : invalid username and password
At **{Invalid username and password}** if the entered username and password is invalid

  1: System informs that username and password is invalid
  2: The flow of events is resumed at **{Enter username and password}**

A2 : invalid filter parameter
At **{Invalid filter parameter}** if the entered entered filter parameter is invalid

  1: System informs that filter parameter is invalid
  2: The flow of events is resumed at **{Select activity}**

A3 : invalid add parameter
At **{Invalid add parameter}** if the entered entered filter parameter is invalid

  1: System informs that add parameter is invalid
  2: The flow of events is resumed at **{Select activity}**